

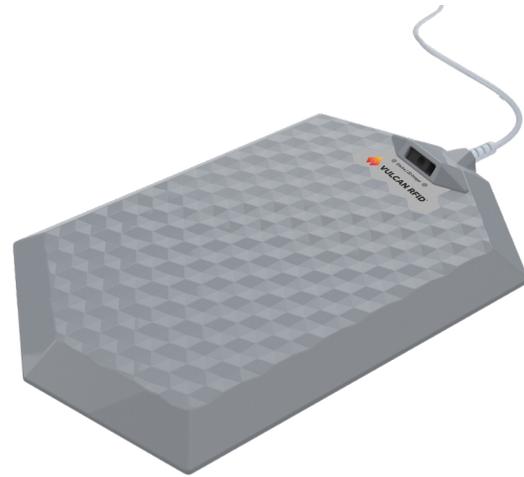


# VULCAN RFID™

ELECTRA QUICK START GUIDE

## INTRODUCTION

The Vulcan RFID Electra is a modern, pad-style desktop reader with an integrated 2D imager, designed for applications that demand accuracy and simplicity. It fits seamlessly into compact workspaces, such as retail counters and desktops, to speed up transactions.



The Vulcan RFID Electra features:

- Dual scanning capability: UHF RFID and 2D barcode imager.
- USB Type A male connector for easy plug-and-play setup.
- Compatible with Windows, Mac, and Linux operating systems.
- Converts RFID tags using the GS1 standard label for checkout.
- Built-in antenna to restrict unwanted RFID tag readings.
- Two operating modes: autonomous mode for automatic reads and transparent mode for software development.
- Simple, USB-powered operation for both communication and power.
- Keyboard wedge emulation for automatic input into any system.
- API support for custom development and integration in C, .NET (C#), and Java.
- Compact design fits easily on desktops and counters, ideal for POS setups.
- Seamless integration with RFID solutions for quick implementation.
- Versatile and adaptable for a variety of operational scenarios.
- Compatible with [Vulcan RFID Read, Write & Verify Software](#).

**In the box:** Vulcan RFID Electra Reader & Integrated USB Cable

## GETTING STARTED

### SETUP METHOD 1 / AUTONOMOUS MODE

The reader's default mode is autonomous mode, where the reader transmits data via keyboard emulation.

1. Plug the reader's USB cable into your computer's USB port.
2. To read a tag, put your cursor into any text field and place a tag on top of the reader. The tag data will populate in the text field.
3. To easily turn off/on tag reading, quickly press the Caps Lock key twice (Windows and Linux only). The green LED will turn off, and the red LED will flash slowly, indicating that the reader is idle.
4. Place a barcode in front of the barcode reader to read and report a barcode.



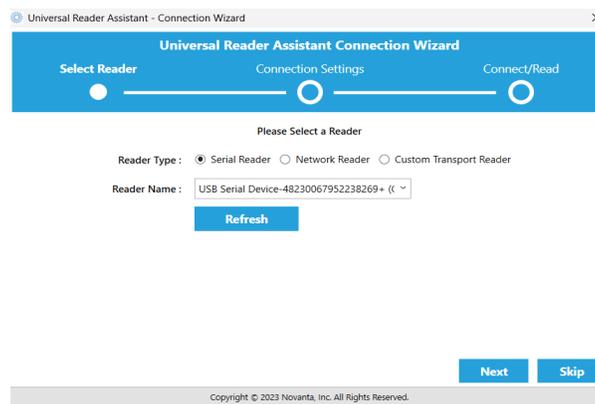
## SETUP METHOD 2 TRANSPARENT MODE

In transparent mode, the reader is controlled by software built using the ThingMagic Mercury API, such as the Universal Reader Assistant software.

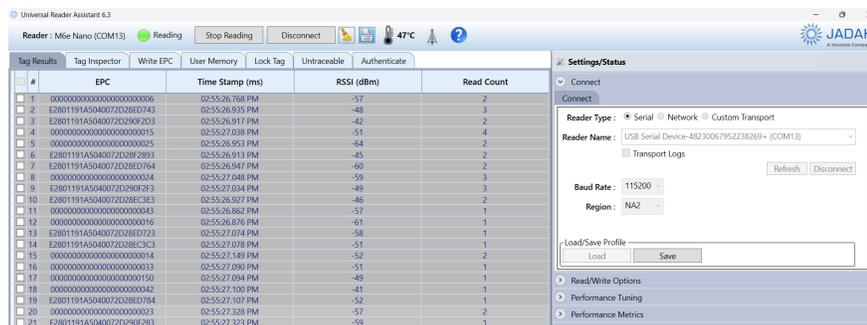
To easily switch between autonomous and transparent modes, quickly press the Caps Lock key five times (Windows and Linux only).

*Note: This shortcut will only work when the reader's serial port is not connected/not currently being used by a software.*

1. Open the Universal Reader Assistant software. The software should detect and display the connected reader.



2. Click Next. Choose your region of operation, and select Antenna 1.
3. Click Next and then click Connect & Read to begin reading tags.



Scan the QR code or visit [www.vulcanRFID.com/support](http://www.vulcanRFID.com/support) to view more information on setting up and using the Vulcan RFID Electra UHF RFID Reader.

